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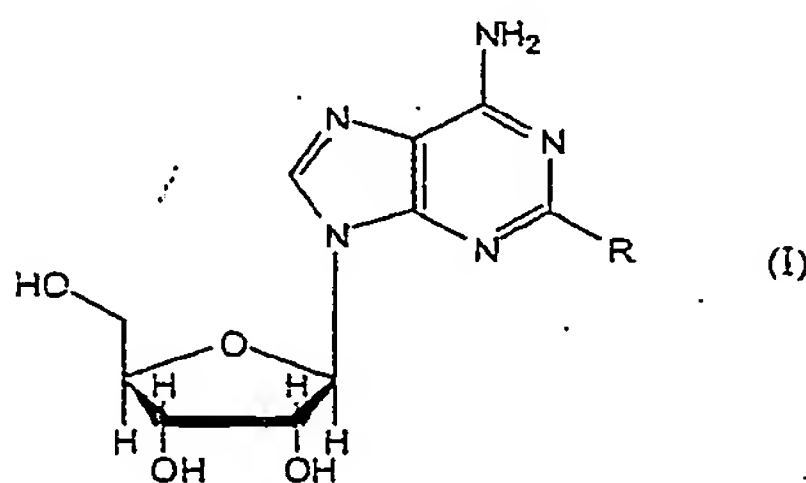
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- (71) Applicant (for all designated States except US): CAMBRIDGE BIOTECHNOLOGY LIMITED [GB/GB]; PO Box 230, Cambridge CB2 1XJ (GB).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): BROWN, Giles, Albert [GB/GB]; Cambridge Biotechnology Limited, PO Box 230, Cambridge CB2 1XJ (GB). SAVORY, Edward, Daniel [GB/GB]; Cambridge Biotechnology Limited, PO Box 230, Cambridge CB2 1XJ (GB). OUZMAN, Jacqueline, Valerie, Anne [GB/GB]; Cambridge Biotechnology Limited, PO Box 230, Cambridge CB2 1XJ (GB). STODDART, Alison, Margaret [GB/GB]; Cambridge Biotechnology Limited, P.O. Box 230, Cambridge CB2 1XJ (GB).
- (74) Agents: THORNTON, Neil et al.; Reddie & Grose, 16 Theobalds Road, London WC1X 8PL (GB).
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(54) Title: IMPROVED SYNTHESIS OF 2-SUBSTITUTED ADENOSINES



(57) Abstract: Synthesis of 2-substituted adenosines of formula (I) using 2-nitro pentabenzoyl adenosine, or 2-nitro pentaacetyl adenosine, as intermediate is described: Formula (I) wherein R = C₁₋₆ alkoxy (straight or branched), a phenoxy group (unsubstituted, or mono-, or di-substituted by halo, amino, CF₃-, cyano, nitro, C₁₋₆ alkyl, or C₁₋₆ alkoxy), a benzyloxy group (unsubstituted, or mono-, or di-substituted by halo, amino, CF₃-, cyano, nitro, C₁₋₆ alkyl, or C₁₋₆ alkoxy), or a benzoyl group (unsubstituted, or mono-, or di-substituted by halo, amino, CF₃-, cyano, nitro, C₁₋₆ alkyl, or C₁₋₆ alkoxy). The methods provide improved yield and purity of product.

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